

METHODS AND APPARATUS FOR DETECTING  
CRACKS IN WELDS

ABSTRACT OF THE DISCLOSURE

A method of inspecting a portion of a weld between at least two materials includes mounting at least one ultrasonic phased array probe including at least one transducer having a plurality of elements within a housing containing a liquid therein, attaching the housing adjacent to an outer surface of the portion of the weld such that the liquid is adjacent to the outer surface of the portion of the weld, and scanning the weld with the at least one ultrasonic phased array probe.